Product Data Sheet

Triton VANDEX BB75

GREY WATERPROOFING SLURRY

- Against active or passive water pressure
- For concrete and masonry
- Efflorescence-free
- Applicable by spray equipment

Product Description

Triton VANDEX BB75 is a cementitious, ready-mixed surface waterproofer.

Areas of application

- Substrates: concrete and masonry
- Active or passive waterproofing and protection against water and moisture
- Foundations, slabs, retaining walls, etc.
- Drinking water structures

Properties

Owing to its composition of cement, quartz with graded grain-size distribution and selected additives, **Triton VANDEX BB75** is waterproof. It can be employed against active and passive water pressures. The initial and final bonding capability of **Triton VANDEX BB75** is excellent, making it suitable to horizontal as well as vertical surfaces. It is durable, resistant to frost and heat after setting, but all the same permeable to vapour. **Triton VANDEX BB75** is tested for use in contact with drinking water.

Surface preparation

The substrate to be treated must be sound and even, open-pored, roughened and its surface free from voids, large cracks or ridges. Any adhesion reducing substances like bitumen, oil, grease, remains of paint or laitance have to be removed by suitable means.
Water leaks must be stopped e.g., with **Triton QUICK SET.**
Thoroughly moisten the substrate; it must be damp but not wet at the time of application. Any surface water on horizontal surfaces must be removed.

Brick and blockwork substrates
Any remaining plaster, render or other substances that could inhibit bonding must be removed back to the substrate. Gypsum, remains of wood or other foreign material must be removed by appropriate means. Loose pointing must be routed out and the substrate cleaned thoroughly.

Mixing

Mix 25kg of **Triton VANDEX BB75** with 4.5-6 litres of tap water in a clean container for at least 3 minutes to a lump-free, homogeneous consistency. Use a mechanical mixer.

Application

Triton VANDEX BB75 is applied with brush, trowel or suitable spray equipment.

A maximum of 2mm (approx. 4kg/m²) can be applied in one working cycle. In most cases the application or more than one coat is recommended; please refer to relevant specification. It is recommended to apply the next coat whilst the previous coat is still damp on the surface. The previous coat depends on local climate conditions such as humidity, temperature, etc. The previous coat is textured by suitable means whilst still plastic to form a key. To maintain workability of the material do not add water, simply re-stir the mixture.

Brush application
Ensure that all cavities in the substrate are filled.

Trowel application
First a scratch coat is applied for maximum adhesion to the substrate, working from the bottom up. Ensure that all cavities in the substrate are filled in order to exclude any trapped air.

Spray application
Triton VANDEX BB75 can be applied with a suitable fine mortar spraying device.
For maximum spray pattern it should be possible to adjust volume of product as well as air pressure and volume. The nozzle diameter is approx. 6mm.

The first layer of Vandex is applied in a circular motion with the spray nozzle held at a 90% angle to the substrate. The material is then flattened and keyed. The final layer can be left as a spray finish or treated to a specified finish.

Do not apply at temperatures below +5 °C or to a frozen substrate.

Consumption

Type of water impact	Recommended overall application rate	Total layer thickness (approx.)
Pressureless Water	3-4 kg/m²	1.5 – 2mm
Water under pressure	4-6 kg/m² depending on water pressure	2 – 3mm

NOTE: Substrate and application conditions have to be observed. Depending on surface roughness, consumption may vary.

Curing

Keep damp for at least 5 days and provide suitable protection against extreme weather conditions (e.g. sun, wind, frost) while setting. The freshly treated surfaces should be protected from rain for a minimum period of 24 hrs.

Plastering/Coating

Surfaces treated with Vandex products which are to be coated or painted should be left to cure for at least 28 days. When a plaster or render finish is required on top of a Vandex treatment it is essential to apply a rough cast of sand and cement on the final Vandex coat while it is still tacky. On hardened Vandex surfaces apply an appropriate bonding agent before rendering. Coatings on top of a Vandex treatment have to be alkali resistant. Decorative coatings applied on a passive water pressure side are recommended to be water vapour permeable.

TECHNICAL DATA		
Appearance		Grey Powder Triton VANDEX BB75 is not a decorative material
Density of west mix	[kg/l]	Approx . 2.0
Workability at 20°C	[min]	Approx. 45
Setting time at 20°C	[h]	Approx. 5-8
Compressive strength 28 d	[MPa]	Approx. 40
Bending tensile strength 28 d	[MPa]	Approx. 6
Static modulus of elasticity 28 d	[GPa]	Approx. 28
Capillary absorption	[kg/m² h 0.5]	0.06
Further data		Refer to CE-marking
All data are averages of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.		

Packaging

25kg PE-lined paper bag

Storage

When stored in a dry place in unopened, undamaged original packaging, shelf life is 12 months.

Health & Safety

Please refer to Safety Data sheet.

For further information please contact:

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